

Focus Area 1: Access to Quality Health Services

Objective 1-9c calls for reduction in the hospitalization rate for immunization-preventable pneumonia and influenza to 8.0 per 10,000 population aged 65 years and older.

Hospital discharge data for 2005 indicates a total of 1,819 discharges among California residents aged 65 years and older with a principal diagnosis of pneumonia or influenza (ICD-9-CM codes 481 and 487), which translates to an age-adjusted rate of 4.4 hospitalizations per 10,000 population (Figure 1-9c, Table 1-9c). No significant trend in age-adjusted rates was detected from 2000-2005, and this HP2010 objective is being achieved for the total population (all races, both sexes) aged 65 years and older.

Immunization-preventable pneumonia and influenza hospitalization rates for males aged 65 and older (5.0 per 10,000 in 2005) were significantly higher than rates for females (4.1 per 10,000 in 2005). No significant trends were found, and the HP2010 objective is being achieved for both females and males.

Examined by race and ethnicity, the highest pneumonia and influenza hospitalization rates in 2005 were found for Blacks/African Americans (5.1 per 10,000 population), followed by Whites (4.5 per 10,000), Hispanics/Latinos (4.2 per 10,000), and Asians/Pacific Islanders (3.9 per 10,000). The HP2010 objective is being achieved for all of these racial and ethnic populations, but it remains unknown if the objective is being achieved for American Indians/Alaska Natives due to the small number of events that occur annually and the subsequent inability to calculate reliable rates.

For more information on immunization-preventable diseases, visit the CDHS Immunization Branch Web site at:

<http://www.dhs.ca.gov/ps/dcdc/izgroup/index.htm>

and the Preventive Health Care for the Aging Program Web site at:

<http://www.dhs.ca.gov/ps/cdic/cdcb/Medicine/Gerontology/PHCA/index.htm>

For more information on Healthy People 2010 objective 1-9c, please visit:

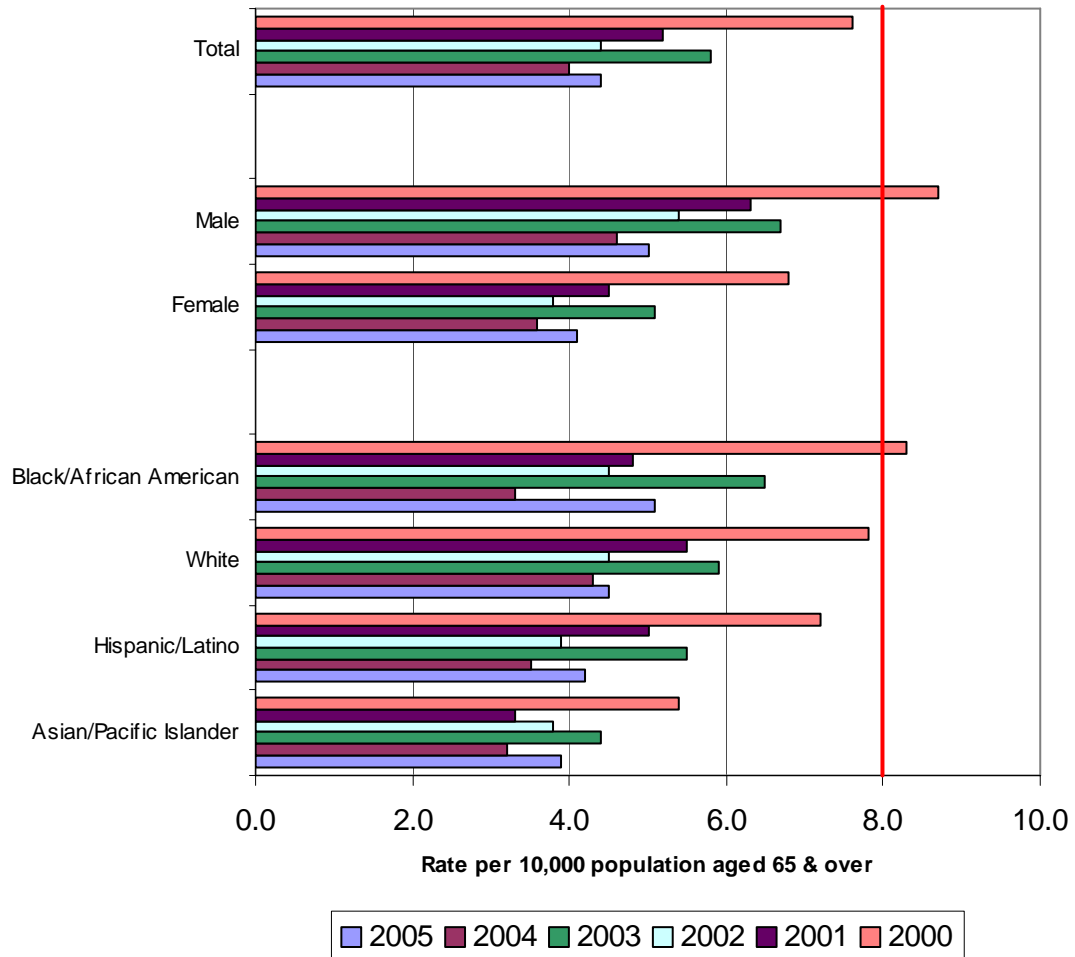
http://www.healthypeople.gov/Document/HTML/Volume1/01Access.htm#_Toc489432815

and

<http://www.healthypeople.gov/Document/html/tracking/od01.htm#clinicalprev>

Figure 1-9c
Immunization-Preventable Pneumonia and Influenza
Hospitalization Rates Among Persons Aged 65 and Older
California, 2000-2005

Healthy People 2010 objective = 8.0



**Table 1-9c: Immunization-Preventable Pneumonia and Influenza Hospitalization Rates
Among Persons Aged 65 Years and Older, California 2000-2005**

Objective 1-9c	2000		Lower	Upper	2001		Lower	Upper
	N	Rate ¹	C.I.	C.I.	N	Rate ¹	C.I.	C.I.
Healthy People 2010 Target	8.0				8.0			
Statewide Total	2,746	7.6	7.3	7.9	1,960	5.2	5.0	5.4
Race-Ethnicity								
American Indian/Alaska Native	6	DSU	-----	-----	7	DSU	-----	-----
Asian/Pacific Islander	185	5.4	4.7	6.2	124	3.3	2.7	3.9
Black/African American	146	8.3	6.9	9.6	90	4.8	3.8	5.8
Hispanic/Latino	316	7.2	6.4	8.0	234	5.0	4.4	5.7
White	2,038	7.8	7.5	8.1	1,474	5.5	5.2	5.8
Gender								
Female	1,458	6.8	6.4	7.1	986	4.5	4.2	4.7
Male	1,288	8.7	8.3	9.2	974	6.3	5.9	6.7

Objective 1-9c	2002		Lower	Upper	2003		Lower	Upper
	N	Rate ¹	C.I.	C.I.	N	Rate ¹	C.I.	C.I.
Healthy People 2010 Target	8.0				8.0			
Statewide Total	1,720	4.4	4.2	4.6	2,313	5.8	5.5	6.0
Race-Ethnicity								
American Indian/Alaska Native	4	DSU	-----	-----	7	DSU	-----	-----
Asian/Pacific Islander	152	3.8	3.2	4.3	189	4.4	3.8	5.0
Black/African American	87	4.5	3.5	5.4	128	6.5	5.3	7.6
Hispanic/Latino	202	3.9	3.4	4.5	296	5.5	4.9	6.1
White	1,232	4.5	4.3	4.8	1,640	5.9	5.6	6.2
Gender								
Female	852	3.8	3.5	4.0	1,194	5.1	4.8	5.4
Male	868	5.4	5.0	5.8	1,119	6.7	6.3	7.1

Objective 1-9c	2004		Lower	Upper	2005		Lower	Upper
	N	Rate ¹	C.I.	C.I.	N	Rate ¹	C.I.	C.I.
Healthy People 2010 Target	8.0				8.0			
Statewide Total	1,623	4.0	3.8	4.2	1,819	4.4	4.2	4.6
Race-Ethnicity								
American Indian/Alaska Native	1	DSU	-----	-----	5	DSU	-----	-----
Asian/Pacific Islander	145	3.2	2.7	3.8	184	3.9	3.3	4.5
Black/African American	68	3.3	2.5	4.1	106	5.1	4.1	6.0
Hispanic/Latino	201	3.5	3.0	4.0	250	4.2	3.7	4.7
White	1,172	4.3	4.0	4.5	1,229	4.5	4.2	4.7
Gender								
Female	846	3.6	3.3	3.8	967	4.1	3.8	4.3
Male	777	4.6	4.3	4.9	852	5.0	4.7	5.3

SOURCES: Office of Statewide Health Planning and Development, Patient Discharge Data, 2000-2005;
CA Department of Finance, Demographic Research Unit, *Population Projections by Race/Ethnicity for California and Its Counties 2000-2050*, May 2004.

NOTES: * ICD-9-CM codes 481 or 487 as a Principal Diagnosis.

¹ Age-adjusted rate per 10,000 population aged 65 years and older.

DSU Data statistically unreliable (Relative Standard Error greater than 23 percent).